

PATENT ABSTRACTS OF JAPAN

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(54) INFORMATION RETRIEVAL APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent obsolescence of metadata and maintain high retrieval accuracy in an information retrieval apparatus using metadata as a sub-retrieval key.

SOLUTION: The information retrieval apparatus comprises: an information retrieval interface 103 to use the metadata of which structure is variable as the sub-retrieval key; a plurality of document management devices 105A, 105B, for managing a document group composing database of a retrieval object; an information intermediary device 104 for accepting a retrieval request from an information retrieval interface and retrieving the document group managed by the plurality of document management devices 105A, 105B; an ontology generation device 203 for generating an ontology with regard to the metadata to send it to the information intermediary device 104; a metadata structure recommendation device 202 for recommending the update of metadata structure periodically or by request; and a metadata distribution device 201 for distributing the structure of the updated metadata to the information retrieval interface 203, the document management devices 105A, 105B, the information intermediary device 104 and ontology generation device 203.

本発明による情報検索装置の基本的な構成のうち、情報中介装置を用いた検索を示す図

